

Title (en)

WELL TOOL DEVICE FOR FORMING A PERMANENT CAP ROCK TO CAP ROCK BARRIER AND METHOD FOR USING SAME

Title (de)

BOHRLOCHWERKZEUGVORRICHTUNG ZUR HERSTELLUNG EINER PERMANENTEN BARRIERE ZWISCHEN DECKSCHICHTEN UND VERFAHREN ZUR VERWENDUNG DERSELBEN

Title (fr)

DISPOSITIF D'OUTIL DE Puits POUR FORMER UN BOUCHON PERMANENT DE ROCHE SUR UNE BARRIÈRE DE ROCHE ET SON PROCÉDÉ D'UTILISATION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2020216693A1] It is disclosed a well tool device and a method for forming a permanent well barrier. The well tool device (10) comprises: a housing (20); a movable partition device (26a, 26b, 26c) provided within the housing, the partition device (26a, 26b, 26c) separating an inner volume of the housing in a first volume defining a first compartment (30) and a second volume defining a second compartment (60); a pyrotechnic mixture (40) provided in the first compartment (30); and a fluid line (66) providing fluid communication between the second compartment (60) and an outside of the housing (20). The method comprises the steps of: while running the well tool device (10) into the well, equalizing a pressure difference between a pressure inside the second compartment (60) and an ambient pressure outside of the housing (20), by means of allowing fluids to enter the second compartment (60) through the fluid line (66); while running the well tool device (10) into the well, equalizing a pressure difference between a pressure inside the first compartment (30) and a pressure inside the second compartment (60), by means of the partition device (26a, 26b, 26c) being affected by the pressure inside the second compartment (60); installing the well tool device (10) in the well; and igniting the pyrotechnic mixture (40).

IPC 8 full level

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